chain nodes :
    24 26 28 29 30 36 43 44 45 46 53 54 55 56 57 60 61 62 63 64
ring nodes :
    1   2   3   4   5   6   7   8   9   10 11 12 13 14 15 16 17 18 19 20 21 22 23 25 27 31
    32 33 34 35 37 38 39 40 41 42 47 48 49 50 51 52
chain bonds :
    2-29 3-43 4-30 18-28 22-64 23-24 25-26 33-63 34-36 38-46 39-45 40-44 42-43 44-62
    45-52 48-60 49-54 50-53 53-61 54-55 55-56 55-57
ring bonds :
    1-2 1-13 2-3 3-4 4-5 5-6 6-9 7-8 7-12 7-27 8-9 9-10 10-11 11-12 11-31 11-35
    13-14 14-15 15-16 15-18 16-17 17-19 18-19 18-20 19-23 20-21 20-25 21-22 22-23
    25-27 31-32 32-33 33-34 34-35 37-38 37-42 38-39 39-40 40-41 41-42 47-48 47-52
    48-49 49-50 50-51 51-52
exact/norm bonds :
    1-2 1-13 2-3 3-4 3-43 4-5 5-6 6-9 7-8 7-12 7-27 8-9 9-10 10-11 11-12 11-31
    11-35 13-14 14-15 15-16 15-18 16-17 17-19 18-19 18-20 18-28 19-23 20-21 20-25
    21-22 22-23 23-24 25-26 25-27 31-32 32-33 33-34 34-35 37-38 37-42 38-39 39-40
    39-45 40-41 40-44 41-42 42-43 45-52 47-48 47-52 48-49 49-50 49-54 50-51 50-53
    51-52 54-55 55-56 55-57
exact bonds :
    2-29 4-30 22-64 33-63 34-36 38-46 44-62 48-60 53-61

G1:O,S

G2:O,N

Match level :
    1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
    12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
    22:Atom 23:Atom 24:CLASS 25:Atom 26:CLASS 27:Atom 28:CLASS 29:CLASS 30:CLASS 31:Atom
    32:Atom 33:Atom 34:Atom 35:Atom 36:CLASS 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom
    42:Atom 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:Atom 48:Atom 49:Atom 50:Atom 51:Atom
    52:Atom 53:CLASS 54:CLASS 55:CLASS 56:CLASS 57:CLASS 60:CLASS 61:CLASS 62:CLASS
    63:CLASS 64:CLASS